

CLAIMS

What is claimed is new and desired to be protected by Letters Patent is set forth in the appended claims:

1. An antimicrobial composition for eradicating and/or controlling pathogens comprising:
a combination of at least one of copper, silver and gold.
2. The antimicrobial composition of claim 1, further comprising inert ingredients for adjusting a pH of said composition.
3. The antimicrobial composition of claim 2, wherein said inert ingredients include at least one of surfactants, detergents and buffers.
4. The antimicrobial composition of claim 1, wherein said at least one of copper, silver and/or gold is in ionic form.
5. The antimicrobial composition of claim 1, wherein said at least one of copper, silver and/or gold is in compound form.
6. The antimicrobial composition of claim 1, wherein said at least one of copper, silver and/or gold is in any combination of ionic and compound form.
7. The antimicrobial composition of claim 1, wherein the ratio of copper to silver and/or is between 1:1 to 32:1.
8. The antimicrobial composition of claim 7, wherein the ratio of copper to silver and/or gold remains at a desired ratio whether the composition is diluted or concentrated.

9. The antimicrobial composition of claim 1, wherein the composition is in one of an aerosolized, misted, vaporized, fogged, humidified forms thereby producing aerosol particles which are able to remain in suspension in the air for long periods of time in order to act on and eradicate or disinfect air-borne microbials and/or other pathogens in all stages.

10. The antimicrobial composition of claim 1, wherein the composition forms a solution when diluted in a liquid whereby the composition is able to remain in suspension when diluted thereby purifying the liquid.

11. The antimicrobial composition of claim 10, wherein the solution is able to coat and/or otherwise treat food and non food products including at least fish, shellfish, meat, milk, poultry, eggs and irrigated crops washed or soaked therein, thereby coating or otherwise treating the product and eliminating any bacteria on or within the food product in order to minimize pathogens resulting from ingestion of the food product and increase the shelf life of the food product.

12. The antimicrobial composition of claim 1, wherein the composition is in one of a liquid, soap, salve or other form able to be applied to a surface affected by a pathogen.

13. A method of producing an antibacterial composition for eradicating and/or controlling pathogens comprising the steps of:

adding the ingredients of water; Sorbetrol; and at least one of copper, silver and gold into a mixture;

agitating said mixture until the ingredients are blended together; and
diluting said mixture to an effective antibacterial composition.

14. The method of claim 13, further comprising the step of adding inert ingredients for adjusting a pH of said composition.

15. The method of claim 14, wherein the step of adding inert ingredients includes adding at least one of surfactants, detergents and buffers.

16. The method of claim 13, wherein the at least one of copper, silver and gold is provided in a copper:silver/gold ratio of between 1:1 and 32:1.

17. The method of claim 13, wherein the at least one of copper, silver and gold is able to remain in suspended in the water.

18. The method of claim 13, further comprising the step of forming the composition in one of an aerosolized, misted, vaporized, fogged, humidified forms to produce micronized particles which are able to remain in suspension in the air for long periods of time in order to act on and eradicate or disinfect air-borne fungal spores and/or other pathogens.

19. The method of claim 13, further comprising the step of forming the composition in one of a liquid, soap, salve or other form able to be applied to a surface affected by a pathogen.

20. The method of claim 13, further comprising the step of coating or otherwise treating food products including at least fish, shellfish, meat, milk, poultry, eggs and irrigated crops or non food products in the composition thereby coating the product and eliminating any bacteria on or within the food product in order to minimize pathogens resulting from ingestion of the food product and increase the shelf life of the food product.

21. The method of claim 13, further comprising the step of adding the composition to a supply of liquid thereby eradicating or disinfecting pathogens from within the liquid.

22. An antimicrobial composition for eradicating and/or controlling Anthrax and Botulinum, said composition comprising:
a combination of at least one of copper, silver and gold.

23. The antimicrobial composition of claim 22, wherein said at least one of copper, silver and/or gold is in ionic form.

24. The antimicrobial composition of claim 22, wherein said at least one of copper, silver and/or gold is in compound form.

25. The antimicrobial composition of claim 22, wherein said at least one of copper, silver and/or gold is in any combination of ionic and compound form.

26. The antimicrobial composition of claim 22, further comprising inert ingredients for adjusting a pH of said composition.

27. The antimicrobial composition of claim 26, wherein said inert ingredients include at least one of surfactants, detergents and buffers.

28. An antimicrobial composition for eradicating and/or controlling pathogens, said composition comprising:

a combination of copper and at least one of silver and gold.

29. The antimicrobial composition of claim 28, wherein said copper is in ionic form and said at least one of silver and gold is in ionic form.

30. The antimicrobial composition of claim 28, wherein said copper is in compound form and said at least one of silver and/or gold is in compound form.

31. The antimicrobial composition of claim 28, wherein said copper and said at least one of silver and gold is in any combination of ionic and compound form.

32. The antimicrobial composition of claim 28, further comprising inert ingredients for adjusting a pH of said composition.

33. The antimicrobial composition of claim 28, wherein said inert ingredients include at least one of surfactants, detergents and buffers.